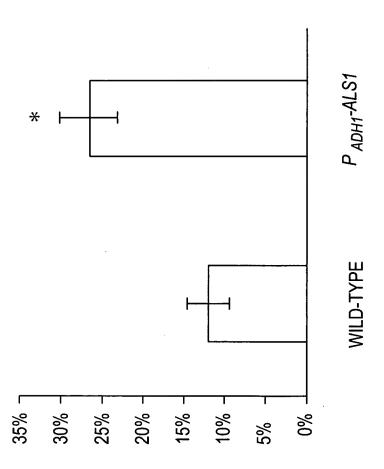


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TITLE:

Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis

INVENTOR(S): John E. Edwards, et al.
APPLICATION NO.: 09/715,876
ATTY REFERENCE: 13361.4001

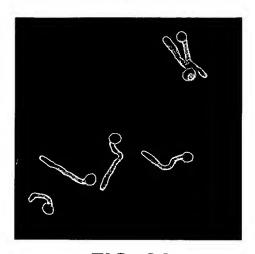


FIG. 2A

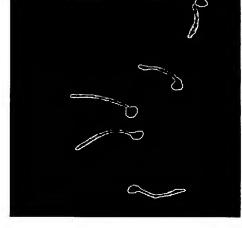


FIG. 2B

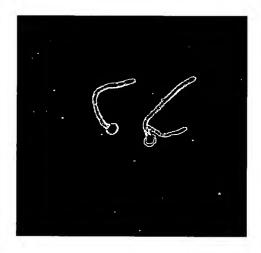


FIG. 2C

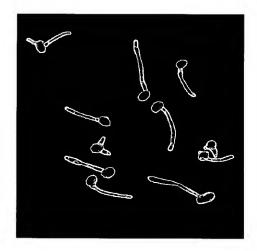


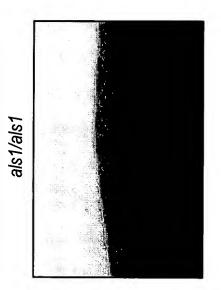
FIG. 2D

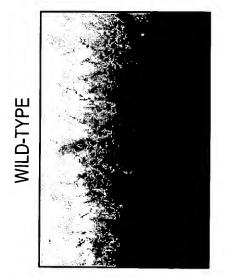
. TITLE:

TITLE: Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis INVENTOR(S): John E. Edwards, et al. APPLICATION NO.: 09/715,876 ATTY REFERENCE: 13361.4001

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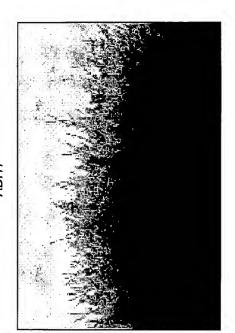
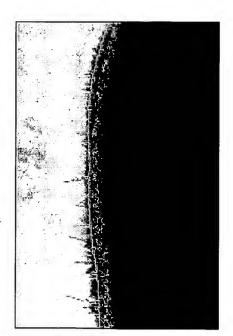


FIG. 3B

WILD-TYPE

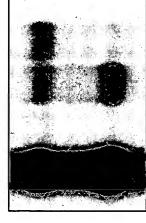


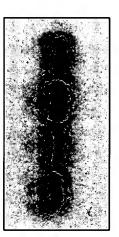
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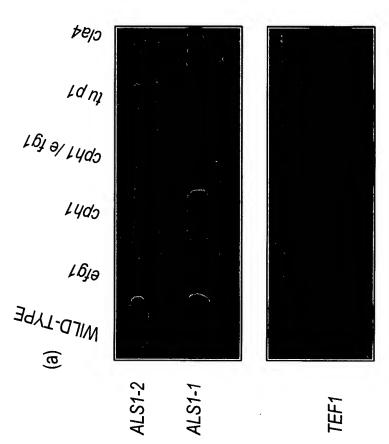


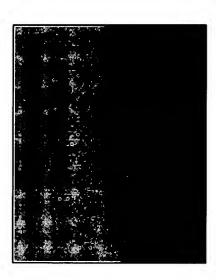
FIG. 4A

TITLE:

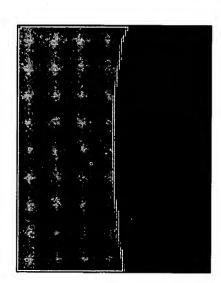
Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis John E. Edwards, et al. 09/715,876 13361.4001

INVENTOR(S): APPLICATION NO.: ATTY REFERENCE:

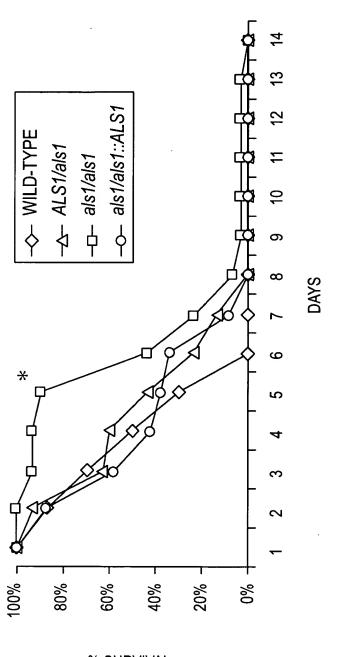
efg1/efg1/P_{ADH1} ALS1



efg1/efg1



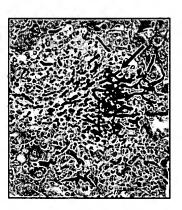




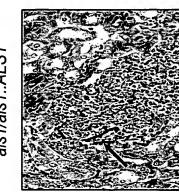
% SURVIVAL

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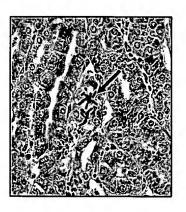




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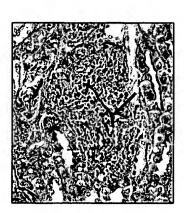
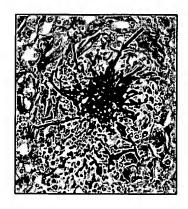
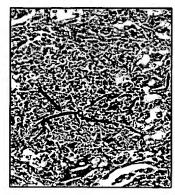


FIG. 5B

WILD-TYPE



WILD-TYPE





TITLE:

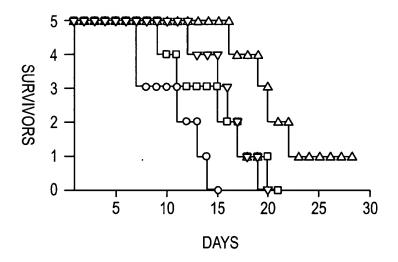
Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis

John E. Edwards, et al.

INVENTOR(S): John E. Edw APPLICATION NO.: 09/715,876 ATTY REFERENCE: 13361.4001

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Prophylactic effect of antiALS antibody against disseminated candidiasis



	MST (days)
-O- DPBS	11.4 <u>+</u> 3.3
-D- NRS (PB)1	15.4 <u>+</u> 4.4
→ S ² -antiALS	22.0 <u>+</u> 4.5
-∇- I ³ -antiALS	16.8 <u>+</u> 2.6



FIG. 7

1	ATGC	TTC	AACA	ATTT	'ACA	TTG	тта	TTC	СТА	TAT	TTG	TCA	ATT.	'GCA	AGT	'GCA	AAG	ACA	ATC
1			Q C		Т	L	L	F	L	Y	L	s	I	A	s	A	K	T	I
61	ACTG	GTG	TTTT	TGAT	AGT	ттт	ААТ	тса	тта	ACT	TGG	TCC	AAT	GCT	GCT	'AAT	TAT'	'GCT	TTC
21	Т	G '	V F	D	s	F	N	s	L	Т	W	s	N	A	Α	N	Y	A	F
121	AAAG	ccc	CACO	י א ייי א יי	CCA	አርጥ	ጥረረ	አአጥ	ርር ጥ	СФФ	ጥጥር	·CCT	m.c.c	יייירי	ת יחיים	<i>ር</i> አጥ	сст	ነአድር	י א יך יידי
41			P G		P	T	W	N	A A	V	L	G	W	S	L	D	G	T	S
181	GCCA																		
61	A	N	P G	D	Т	F	Т	L	N	M	P	С	V	F	K	Y	Т	Т	S
241	CAAA	CAT	CTGT	TGAT	тта	ACT	GCC	GAT	GGT	GTT	AAA	TAT	GCT	ACT	TGT	CAA	TTT	'TAT	TCT
81	Q	T :	s v	D	L	T	A	D	G	V	K	Y	A	T	С	Q	F	Y	s
301	GGTG	AAG	TTAA	CACA	ACT	ттт	тст	ACA	тта	ACA	TGT	ACT	GTG	AAC	GAC	GCT	ттс	ΑΑΑ	TCA
101	G	E	E F	Т	T	F	s	T	L	Т	С	T	V	N	D	Α	L	K	S
2.54															_				
361 121	TCCA		AGGC K A		GGT G	ACA T		ACT T	TTA L										
121	S	1 .	n A	ı r	G	1	V	1	П	₽	Ι	A	F	N	V	G	G	T	G
421	TCAT	CAA	CTGA	TTTG	GAA	GAT	TCT	AAA	TGT	ттт	ACT	GCT	GGT	ACC	AAT	ACA	GTC	ACA	ттт
141	S	s '	r D	L	E	D	S	K	С	F	T	A	G	T	N	T	V	T	F
481	AATG	ATG	GTGA	TAAA	GAT	ATC'	TCA	ATT	GAT	GTT	GAG	ттт	GAA	AAG	TCA	ACC	GTT	GAT	CCA
161			G D		D	I	s	I		٧		F	E	K	s		· v	D	P
				. <u></u>															
541 181	AGTG S		ATTT Y L		GCT A	TCC. S	AGA R	GTT. V	ATG M		AGT S	CTC L							
101	3	A	1 1	1	А	5	K	٧	M	P	5	ъ	N	K	V	Т	T	L	F
601	GTGG	CAC	CACA	ATGT	GAA	TAA	GGT	TAC	ACA	тст	GGT	ACA	ATG	GGG	TTC	TCC	AGT	AGT	AAC
201	v .	A I	P Q	C	E	N	G	Y	T	S	G	T	М	G	F	S	S	S	N
661	GGTG	ACG'	TTGC	TATT	GAT'	TGC'	TCA	AAT	АТТ	CAT	АТТ	GGT	ATC	ACA	AAA	GGA	тта	ТАА	GAT
221			V A		D	С	s	N	I	Н	I	G	 I	т		G	L	N	D
721 241	TGGA.		ATCC Y P		TCA' S	TCT(S	GAA' E	TCA' S											
	W	ĮN .	1 P	V	3	5	£	5	F	S	Y	Т	K	T	С	Т	S	N	G
781	ATTC	AGA:	rtaa	ATAT	CAA	AAT	GTA	CCT	GCT	GGT	TAT	CGT	CCA	ттт	ATT	GAT	GCT	TAT	ATT
261	I	Q :	I K	Y	Q	N	V	P	A	G	Y	R	P	F	I	D	A	Y	I
841	TCTG	CTA	CAGA	TGTT	AAC	CAA	TAT	ACT'	тта	GCA'	ТАТ	ACC	ААТ	GAT	ТАТ	ACT	TGT	GCT	GGC
281			r D		N	Q	Y	T	L	Α	Y	T	N	D	Y	T	С	A	G
901 303	AGTC						-												
303	اد	is 1	L Q	3	K	P	F	Т	Ļ	R	W	Т	G	Y	K	N	S	D	Α
961	GGAT	CTA	ACGG	TATT	GTC	ATT	GTT	GCT.	ACA.	ACT.	AGA	ACA	GTT	ACA	GAC	AGT.	ACC	ACT	GCT
321	G :	S I	1 G	I	V	I	V	A	T	T	R	Т	V	T	D	s	T	T	A
1021	GTCA	CTAC	CTTT	ACCA'	TTC	AAT	CCA	AGT	GTT	GAT	AAA	ACC.	AAA	ACA.	ATC	GAA.	ATT	TTG	CAA



FIG. 7

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CONTINUED FROM FIGURE 7A

341	V T	T L	P	F N	I P	s	V D	ĸ	T	K	Т	I	E	I	L	Q
1081	CCTATTO	~CAACC	מרדמ	ירר איז	ירארא	ልርጥጥ	ር ልጥ እጥ	יכיייי	CCT	CTC:	א רידי	ልሮሞ	ጥርር	ጥልጥ	ርሞር	ልሮጥ
361	P I	P T	T	T I				V		V V	T	Т	S	Y	L	T
			_				_		_		-	_	_	-	_	_
1141	AAGACTO	GCACCA	ATTO	GTGA	AACA	GCTA	CTGTT	'ATT	GTT	GAT	GTG	CCA	TAT	CAT	ACT	ACC
381	K T	A P	I	G E	T	Α	T V	I	V	D	V	P	Y	Н	T	T
1201	ACAACTO															
401	тт	V T	S	E W	T	G	T I	Т	Т	Т	Т	Т	R	T	N	P
1261	ACTGAT	דיד א ביי	GACA	САСТ	יהכידה	GTAC	ል ል ር ጥጥ	CCA	ርጥርረ	~~a:	ידעם	CCA	מרת	כיייי	ልርጥ	ΔCT
421	T D	S I		T V			Q V	P	L	P	N	P	Т	v	S	T
							~									
1321	ACTGAA	rattgo	TCTC	AGTO	CTTT	GCTA	CAACC	ACT.	ACA	GTT	ACT	GCT	ССТ	CCA	GGT	GGT
441	T E	Y W	S	Q S	F	A	т т	T	T	V	T	Α	P	P	G	G
1201																
1381 461	ACCGATA T D	T V	ATTA I	I R			CAAAC P N	CAT.	ACTO T	GTC: V	ACT. T	ACT.	ACT T	GAA E		
401	1 5	1 4	-	1 1	. E	r	PN	п	1	٧	1	1	1	P.	Y	W
1441	TCACAA	CCTTT	GCTA	CTAC	TACT	ACTG'	TTACT	GCT	ССТ	CCA	GGT	GGT.	АСТ	GAC	TCA	GTA
481	S Q	S F	Α	т т	Т	T '	V Т	Α	P	P	G	G	T	D	s	V
1501	ATTATC													CAA	TCC	TTT
501	I I	R E	P	P N	P	T	V T	Т	T	Е	Y	W	S	Q	S	F
1561	GCTACTA	\ ጉጉል ጉጥ	ימכמכ	יתייארי	ጥርርጥ	ר ריירי	~ A C C T	CCT	አርጥ(~ 7 (~ (ר יי	~m n	አጥጥ	א חיי	7 C 7	C N N
521	A T	T T		V T			P G	G	Т	D D	S	V	I.	I I	AGA R	E
	-							-			•	•	-	-	• •	_
1621	CCTCCA	ACCCA	ACTG	TCAC	CACC	ACTG	TATAA	TGG'	TCC	CAA	CT'	TAC	GCA	ACC.	ACA.	ACT
541	PР	N P	Т	V T	Т	T I	E Y	W	S	0	S	Y	Α	Т	Т	Т
			-							~	-	-	A	1	T	-
1.601			-							_		_		_	•	-
1681	ACTGTGA	ACTGCT	сстс							- ATC	AGA(GAA	CCA	CCA	AAC	CAC
1681 561			сстс	CAGG P G			ACTCA D S	GTA V	ATT <i>I</i>	_		_		_	•	-
	ACTGTGA	ACTGCT T A	CCTC P	P G	G	T i	o s	V	I	ATC!	AGA(R	GAA(CCA P	CCA.	AAC N	CAC H
561	ACTGTGA	ACTGCT T A	CCTC P ACTG	P G	G .CTGG	T I	o s	V	I	ATC!	AGA(R	GAA(CCA P	CCA.	AAC N	CAC H
561 1741	ACTGTGA T V	ACTGCT T A	CCTC P ACTG	P G AATA	G .CTGG	T I	D S AATCA	V TAT	I GCC#	ATC!	AGA(R ACT)	GAAGE	CCA P ACT	CCA. P GTA	AAC N ACT	CAC H GCA
561 1741 581 1801	ACTGTGA T V ACTGTCA T V CCACCAG	ACTGCT T A ACTACT T T	CCTC P ACTG T	P G AATA E Y ACAC	G CTGG' W TGTT	T I CAC S (ATCA	D S AATCA Q S FTAGA	V TATO Y GAGO	I GCC# A	ATC! I ACC! T	AGAG R ACTA T	GAAGACAT	CCA P ACT T	CCA. P GTA. V GTC.	AAC N ACT	CAC H GCA A
561 1741 581	ACTGTGA T V ACTGTCA T V	ACTGCT T A ACTACT T T	CCTC P ACTG T	P G AATA E Y	G CTGG' W TGTT	T I CAC S (ATCA	D S AATCA D S	V TATO	I GCC <i>I</i> A	ATC! I ACC! T	AGA R ACTI T	GAAG E ACC T	CCA P ACT	CCA. P GTA. V	AAC N ACT	CAC H GCA A
561 1741 581 1801 601	ACTGTGA T V ACTGTCA T V CCACCAC	ACTGCT T A ACTACT T T GGTGGT G G	CCTC P ACTG T ACTG	P G AATA E Y ACAC D T	G CTGG W TGTT	T I	D S AATCA D S FTAGA I R	V TATO Y GAGO E	I GCCA A CCA P	ATCA I ACCA T CCAA	AGAO R ACTA T AACO N	GAAG E ACC T CAC	CCA P ACT T ACT	CCA P GTA V GTC	AAC N ACT T ACT	CAC H GCA A ACT T
561 1741 581 1801	ACTGTGA T V ACTGTCA T V CCACCAC P P	ACTGCT T A ACTACT T T GGTGGT G G	CCTC P ACTG T ACTG T TCTC	P GAATAE YACACD T	CTGG W TGTT V	T FCACA S (ATCAT I : GCTAC	D S AATCA D S FTAGA I R CTACC	V TATO Y GAGO E	I GCCA A CCAC P	ATCA I ACCA T CCAA P	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAG E ACC T CAC H	CCA P ACT T ACT	CCA P GTA V GTC V	AACO N ACTO T ACTO AGTO	CAC H GCA A ACT T
561 1741 581 1801 601 1861	ACTGTGA T V ACTGTCA T V CCACCAC P P	ACTGCT T A ACTACT T T GGTGGT G G	CCTC P ACTG T ACTG T TCTC	P GAATAE YACACD T	CTGG W TGTT V	T FCACA S (ATCAT I : GCTAC	D S AATCA D S FTAGA I R	V TATO Y GAGO E	I GCCA A CCAC P	ATCA I ACCA T CCAA P	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAG E ACC T CAC H	CCA P ACT T ACT	CCA P GTA V GTC V	AACO N ACTO T ACTO AGTO	CAC H GCA A ACT T
561 1741 581 1801 601 1861	ACTGTGA T V ACTGTCA T V CCACCAC P P	ACTGCT T A ACTACT T T GGTGGT G G PATTGG	CCTC P ACTG T ACTG T TCTC	P GATA E Y ACAC D T AATC Q S	CTGG' W TGTT V GTTT F	T I FCACA S (ATCA I : GCTAC A :	D S AATCA' O S FTAGA' I R CTACC	V TATO Y GAGO E ACAA	I GCCA A CCA P ACTO	ACCAACCAAP	AGAGACTA T AACTA N ACTG	GAAG E ACCA T CACA H	CCA P ACT T ACT T	CCA. P GTA. V GTC. V	AACT N ACT T ACT T AGT	CAC H GCA A ACT T GGC
561 1741 581 1801 601 1861 621	ACTGTGA T V ACTGTCA T V CCACCAC P P ACTGAGT T E	ACTGCT T A ACTACT T T GGTGGT G G PATTGG	ACTG T TCTC S ATCA	P GAATA E Y ACAC D T AATC Q S	CTGG' W TGTT V GTTT F	T I FCACA S (ATCAT I : GCTAC A : CCACC	D S AATCA D S FTAGA I R CTACC. I T	V TATO Y GAGO E ACAA T	I GCCA A CCA P ACTO	ATCA I I ACCA T P V GTCA	AGAGACTA T AACTA N ACTG	GAAG E ACCA T CACA H	CCA P ACT T ACT T	CCA. P GTA. V GTC. V	AACT N ACT T ACT T AGT	CAC H GCA A ACT T GGC G
561 1741 581 1801 601 1861 621 1921 641	ACTGTCA T V CCACCAC P P ACTGAGT T E ACTGATA T D	ACTGCT T A ACTACT T T GGTGGT G G PATTGG Y W ACTGTT T V	CCTC P ACTG T TCTC S ATCA I	P G AATA E Y ACAC D T AATC Q S TTAG I R	CTGG' W TGTT' V GTTT' F	T I FCACA S (ATCAT I : GCTAC A : CCACC P I	AATCA Q S FTAGA I R CTACC I T CAAAC	V TATC Y GAGG E ACA T CCCA P	I GCCAC P ACTO T	I AACCA T CCAA P V V V	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAACAACAAACAAAAAAAAAAAAAAAAAAAAAAAAAA	CCA P ACT T CCA P ACT P	CCA. P GTA. V GTC. P CCA. P	AACT N ACT T ACT S AGT S	CAC H GCA A ACT T GGC G
561 1741 581 1801 601 1861 621 1921 641	ACTGTCA T V ACTGTCA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT	ACTGCT T A ACTACT T T GGTGGT G G PATTGG Y W ACTGTT T V	CCTC P ACTG T ACTG T TCTC S ATCA I	P GAATA E Y ACAC D T AATC Q S TTAG I R	CTGG' W TGTT' V GTTT' F GGAAG	T I FCACA S (ATCA I : GCTAC A : CCACC P I	AATCA' S FTAGA I R CTACC I T CAAACC N FTACC	V TATO Y GAGG E ACA T CCA P	I GGCCA A CCCAC P T T ACTC	ATCA I I ACCA T CCAA P V STAA V	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	CCA P ACT T CCA P ACT T ACT ACT ACT ACT ACT ACT ACT ACT A	CCA. P GTA. V GTC. P GAA' E GATA	AACT T ACT: T ACT: Y ACC:	CAC H GCA A AACT T T GGC G
561 1741 581 1801 601 1861 621 1921 641	ACTGTCA T V CCACCAC P P ACTGAGT T E ACTGATA T D	ACTGCT T A ACTACT T T GGTGGT G G PATTGG Y W ACTGTT T V	CCTC P ACTG T ACTG T TCTC S ATCA I	P GAATA E Y ACAC D T AATC Q S TTAG I R	CTGG' W TGTT' V GTTT' F GGAAG	T I FCACA S (ATCA I : GCTAC A : CCACC P I	AATCA AATCA O S FTAGA I R CTACC I T CAAAC O N	V TATC Y GAGG E ACA T CCCA P	I GGCCA A CCCAC P T T ACTC	ATCA I I ACCA T CCAA P V STAA V	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	CCA P ACT T CCA P ACT P	CCA. P GTA. V GTC. P CCA. P	AACT N ACT T ACT S AGT S	CAC H GCA A ACT T GGC G
561 1741 581 1801 601 1861 621 1921 641	ACTGTGATA T V CCACCAC P P ACTGAGATA T E ACTGATA T D TCTCAAAT S Q	ACTGCT T A ACTACT T T GGTGGT G G ACTGGT Y W ACTGTT T V	CCTC P ACTG T ACTG T TCTC S ATCA I GCAA A	P GATA E Y ACAC D T AATC Q S TTAG I R CCAC T T	CTGG' W TGTTT V GTTTC F GGAAC E TACTT	T I I I I I I I I I I I I I I I I I I I	AATCA S FTAGA R CTACC T CAAAC N FTACC T T T T T T T T T T T T	V TATO Y GAGO E ACA T CCA P GCTO A	I GGCCA A CCCAC T T CCCAC	I I ACCAA T T P V CCTCAA V	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAACAACTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	CCACP ACTO T ACTO P ACTO T T ACTO T ACTO	CCA. P GTA. V GTC. V CCA. P GAA' E GATA	AACT N ACT T ACT S TAC' Y ACCO	CAC H GCA A ACT T GGC G
561 1741 581 1801 601 1861 621 1921 641 1981 661	ACTGTCA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT S Q CTTATCA	ACTGCT T A ACTACT T T GGTGGT G G 'ATTGG Y W ACTGTT T V 'CATAT S Y GGAGAG	CCTC P ACTG T ACTG T TCTC S ATCA I GCAA A	P G AAATA AATC AATC C C C C C C C C C C C C	GCTGGTW TGTTT V GGTTTC F GGAAA E TACTA T CCCATA	T I I TO	AATCA S FTAGA R CTACC T CAAAC N FTACC T T T T T T T T T T T T	V TATO Y GAGO E ACA T CCA P GCTO A	I GGCCA A CCCAC T T CCCAC	T P P CCTC	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAAAAAATE	CCACP ACTO T ACTO P ACTO T T ACTO T ACTO	CCAL P GTAL V CCAL P GAAT CAL CAA	AACTO T T ACTO Y ACCO T T T ACCO	CAC H GCA A ACT T GGC G
561 1741 581 1801 601 1861 621 1921 641 1981 661	ACTGTCA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT S Q CTTATCA	ACTGCT T A ACTACT T T GGTGGT G G CATTGG Y W ACTGTT T V CATAT S Y	CCTC P ACTG T ACTG T TCTC S ATCA I GCAAA	P G AAATA E Y AACAC D T AAATC Q S TTTAG I R CCAC T T	GCTGGTW TGTTT V GGTTTC F GGAAA E TACTA T CCCATA	T I I TO	AATCA S FTAGA TAGA T	V TATO Y GAGGE ACAM T CCAM P GGCTO A	I GCCAC P ACTC T CCCAC P	T P P CCTC	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAAAAAATE	CCA P ACT T CCA P ACT T T CCA T T T T CCA T T T T T T T T	CCAL P GTAL V CCAL P GAAT CAL CAA	AACTO T T ACTO Y ACCO T T T ACCO	CAC H GCA A ACT T GGC G V TAT
561 1741 581 1801 601 1861 621 1921 641 1981 661 2041 681 2101	ACTGTGA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT S Q CTTATCA L I GCTACAA	ACTGCT T A ACTACT T T GGTGGT G G PATTGG Y W ACTGTT T V CATAT S Y AGAGAG R E	CCTC P ACTG T ACTG T TCTC S ATCA I GCAA A CCCACC	P G AATA E Y ACAC D T AATC Q S TTAG I R CCAC T T CAAAA P N	GCTGGGW TGTTI V GTTTTGGAAA TCCATI H TGCAA	T I I TOACCACTOR TO	AATCA AATCA S FTAGA R CTACC T CAAAC N FTACC T T CACT T CTCCT T CTCCT T CTCCT T CTCCT CTCT CTCCT CT	V TATO Y GAGO E ACAM T CCAM P GGCTO A T T GGAAM	I GGCAA P ACTO T T CCCAA P ACTO P ACTO P ACTO T T ACCO	ATCA I I ACCA T V V CCTC P GAAT E	AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	CCA P ACT T CCA P ACT T CCA T T ACT S	CCAL PGTAL VGTCAL PGAA' EGATA DCAA'	AACTO T T AACTO Y AACCO T T CAT	CAC H GCA A ACT T GGC G V TGG W
561 1741 581 1801 601 1861 621 1921 641 1981 661 2041 681	ACTGTGA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT S Q CTTATCA L I GCTACAA	ACTGCT T A ACTACT T T GGTGGT G G PATTGG Y W ACTGTT T V CATAT S Y AGAGAG R E	CCTC P ACTG T ACTG T TCTC S ATCA I GCAA A CCCACC	P G AATA E Y ACAC D T AATC Q S TTAG I R CCAC T T CAAAA P N	GCTGGGW TGTTI V GTTTTGGAAA TCCATI H TGCAA	T I I TOACCACTOR TO	AATCA AATCA S FTAGA TAGA	V TATO Y GAGO E ACAA T CCCAA P GGCTO A T	I GGCA A CCAC P ACTO T CCCAC P	T P P P P P P P P P P P P P P P P P P P	AGAG R ACTA T N ACTG T T GGGTG G	GAACTA T GACTA T T GACTA T T T GACTA T T T GACTA W	CCA P ACT T CCA P ACT T CCA T T ACT S	CCAL PGTAL VGTCAL PGAA' EGATA DCAA'	AACTO T T AACTO Y AACCO T T ICATO S	CAC H GCA A ACT T GGC G V TGG W
561 1741 581 1801 601 1861 621 1921 641 1981 661 2041 681 2101	ACTGTGA T V CCACCAC P P ACTGAGT T E ACTGATA T D TCTCAAT S Q CTTATCA L I GCTACAA	ACTGCT T A ACTACT T T GGTGGT G G Y W ACTGTT T V CATAT S Y AGAGAG R E ACCACC T T	CCTC P ACTG T ACTG T TCTC S ATCA I GCAA A CCAC P ACTG T	P G AATA E Y ACAC D T AATC Q S TTAG I R CCAC T T CAAAA P N TTAC V T	CTGGTW TGTT. V GTTTTGTF F GGAAAT T CCATTT H TGCACA	T I I TO	AATCA AATCA S S S S S S S S S S S S S S S S S S S	V TATO Y GAGG E ACAM T CCAM P GGCTO A T T GGAAM	I GGCCA A CCCAC P ACTC T T ACCCAC T ACCCC T	T T CCAMP P V V CCTC P E GATA D	AGAG R T T ACCI T T ACCI T T ACCI T	EAACCATT CACATA TO THE CACATA	CCA P ACTO T CCA P ACTO T T CCA T T CCT C CTT I	CCAA P GTA V CCAA P CAA C Q ATCA I	AACTO T TACTO TACCO T TACCO T S S AACACO R	CAC H GCA A ACT T GGC G V TGG W TAT Y GAG E

FIG. 7

TITLE: Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis INVENTOR(S): John E. Edwards, et al. 409/715,876 ATTY REFERENCE: 13361.4001

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CONTINUED FROM FIGURE 7B

721	P	P	N	Н	T	v	T	T	T	Е	Y	W	s	Q	s	Y	A	T	Т	T
2221	ACT	GTT	ACT	GCA	CCA	CCA	GGT	GGT.	ACC	GAT	АСТ	GTT	ATC	АТТ	AGA	GAG	CCA	CCA	ТАА	CCA
741	T	V	Т	Α	P		G	G	Т	D	T	۷	I	I	R	E	P	P	N	P
2281	ACA	GTT	ACT	ACT	ACT	GAA	TAT	TGG	тса	CAA	TÇA	TTT	GCC	ACA	ACC	ACC	ACA	GTT	AÇT	GCT
761	T	V	T	T	T	E	Y	W	S	Q	s	F	A	T	T	T	T	٧	Т	A
2341	CCT	CCA	GGT	GGT	ACT	GAC.	ACT	GTG.	ATT	ATC	TAT	GAA	AGC	ATG	TCA	AGT	TCA	AAG	ATT	TCT
781	. P	P	G	G	T	D	T	V	I	Ι	Y	E	S	М	s	s	S	K	I	S
0.404					~															
2401 801	ACA' T	TCC S	TCC S	AAT N	GAT D	ATA. I	ACC. T	AGT. S	ATC.	ATT I	CCA P	TCA S	TTT F	TCC S	CGT R			TAT Y	GTC V	
801	1	3	3	N	D	1	1	3	1	1	P	3	E	3	K	P	Н	1	٧	N
2461	AGC.	ACA	ACC	TCC	GAT	TTG	TCA.	ACA'	TTT	GAA	тст	TCA	TCC	ATG	AAT	ACT	ССТ	ACT	тст	ATC
821	s	Т	T	s	D	L	s	Т	F	E	s	S	s	М	N	Т	P	Т	s	I
2521	AGT.																			
841	S	s	D	G	М	L	L	S	S	Т	Т	L	V	Т	Ē	S	E	Т	Т	Т
2581	GAA	ርሞር	<u>አ</u> ጥጥ	ጥርር	ልርጥ	ርልጥ	ርርጥ	מ מ מ	2 A C'	ጥርጥ	ጥርጥ	ACA	ጥጥር	ጥርር	ልርጥ	ጥ∩ጥ	ጥሮጥ	CCT	חידי מ	CTC
861	E	L	I	C	S		G	K	E	C	S	R R	L	S	S	S	S	G	Ι	V
		_	-	-		_	•	-	_	Ū	•	•	-	-	-	Ū	_	Ŭ	-	Ť
2641	ACA.	AAT	CCA	GAT	AGC	AAT	GAA'	TCC'	ГСА	ATC	GTA	ACT	AGT	ACT	GTT	ССТ	ACT	GCA	AGT	ACA
881	T	N	P	D	S	N	E	S	S	I	V	T	S	T	V	P	T	Α	s	T
2701 901	ATG' M	TCT S	GAT D	TCA S																
901	М	3	D	3	L	S	S	Т	D	G	Ι	S	A	Т	S	S	D	N	V	S
2761	AAA'	TCA	GGA	GTA	TCA	GTT	ACA	ACC	GAA.	ACT'	тст	GTT.	ACA	ACT	АТТ	CAA	ACT	ACT	CCA	AAC
921	K	Ş	G	٧	s	V	Т	Т	E	Т	s	V	Т	Т	I	Q	T	Т	P	N
2821	CCA'							TCA'	rtg.	ACT	CAG		TCT	TCA	TTA	CCA	AGT	GTT	TCA	GAA
941	P	L	S	S	S	V	T	S	L	Т	Q	L	S	s	Ι	P	S	V	S	E
2881	AGT	222	ΔСТ	מממ	ርጥጥ	አሮአ፣	րայ	מר א:	A C C	יידית ת	CCN	כאכ	አአሮ	ሮ አ አ	አ ር ጥ	\sim \sim \sim	አ c ጥ	C አ ጥ	<i>ር</i> አጥ	ጥር አ
961	S	E	S	K	V	Т	F	Т	S	N	G	D D	N	0	S	G	Т	Н	D	S
									-		-	_		-	-	-	-		_	-
2941	CAA	TCT.	ACT	TCC.	ACT	GAA	ATT	GAA	ATT	GTA.	ACA.	ACC.	AGT	тст	ACT	AAA	GTT	TTA	CCA	CCT
981	Q	S	Т	S	Т	E	I	E	I	٧	T	T	s	S	T	K	V	L	P	P
2001	C TI C		mam.	mom			~ » m/													
3001 1001	GTC(U V	rcr s	S TCT	AAT. N	ACTO T	GAT" D	I'I'GA L	ACTA T	AGT S	GAA E	DCA.	ACA T	AA'I' N	ACC. T	AGA R	GAA E	CAA O	CCA P	ACT T
1001	•	٠	5	3	IN	1	D	ם	•		-	r	1	14	1	К	Eı	v	F	1
3061	ACA'	TTA'	TCA	ACT.	ACT'	TCA	AAC	rcci	ATC	ACT	GAA	GAT.	ATC.	ACC	ACA	тст	CAA	ССТ	ACA	GGT
1021	T	L	s	T	Т	S	N	s	I	Т	E	D	I	Т	Т	s	Q	P	Т	G
3121	GAT																			
1041	D	N	G	D	N	T	S	s	Т	N	P	V	Р	Т	V	A	Т	S	Т	L
3181	GCA:	гст	GCA.	AGT:	GAA	GAAG	GAC	AACI	ΔΔΑ	AGC	GGT'	тст	САТ	ממס	TC A	GCA	יירר	A C A	ልርጥ	ሞሞ⊄
1061	A	s	A	S	E	E	D	N	K	S		S	H	E	S	A A	S	T	S	L
	-		-	-		_	_			-	-	~	••	_	-	••	~	-	~	_
3241	AAA	CCA	AGT	ATG	GGT	GAA!	AAT	гсто	GGA'	rta <i>i</i>	ACT	ACT'	гст	ACT	GAA	ATT	GAA	GCT	ACA.	ACA
1081	K	P	s	M	G	E	N	s	G	L	T	T	S	T	E	I	E	A	T	T
3301	ACC	AGT	CCT	ACA	GAA(GCT(CCAT	CAC	CCT	GCT	GTT'	rct'	rcT(GGT.	ACT	GAT	GTA	ACT	ACT	GAA



FIG. 7

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CONTINUED FROM FIGURE 7C

1101	Т	s	P	Т	E	A	P	s	P	A	V	s	s	G	Т	D	V	T	Т	E
3361	CCA	ACT	GAT	ACT	AGA	GAA	CAA	ССТ	ACT	'ACA	TTA	TCA	ACT	ACT	TCA	AAA	ACA	AAC	AGT	GAA
1121	P	T	D	Т	R	E	Q	P	Т	Т	L	s	Т	T	s	K	Т	N	s	E
3421	CTG	GTT	GCT	'ACT	ACA	CAA	GCT	ACT	AAT	GAA	TAA	'GGT	GGT	AAA	TCT	CCA	TCA	ACT	GAT	TTA
1141	L	V	Α	Т	Т	Q	Α	T	N	Ε	N	G	G	K	S _.	P	S	Т	D	L
3481	481 ACATCAAGCTTGACAACAGGCACCTCAGCATCTACAAGTGCTAATAGCGAACTTGTTACT																			
1161	Т	s	S	L	Т	Т	G	T	S	A	S	Т	S	A	N	s	Е	L	V	T
3541	AGTGGATCTGTTACTGGTGGAGCTGTTGCCAGTGCTTCAAATGATCAATCA																			
1181	S	G	s	V	Т	G	G	A	V	A	s	Α	s	N	D.	Q	s	Н	s	Т
3601	TCT	GTT	ACC	AAC	AGC	AAC	AGC	ATT	GTA	тст	AAT	ACC	CCA	CAA	ACT	ACA	TTG	AGT	CAA	CAA
1201	S	V	Т	N	s	N	s	I	٧.	s	N	T	P	Q	T	T	L	s	Q	Q
3661	GTT	ACC	TCA	TCC	TCA	ССТ	TÇA	ACC	AAC	ACA	TTC	ATT	GCT	TCT	ACA	TAC	GAT	GGC	тст	GGT
1221	v	T	s	s	s	P	s	T	N	Т	F	Ι	Α	S	T	Y	D	G	s	G
3721	TCT	ATT	ATC	CAA	CAT	тст	ACT	TGG	TTG	TAC	GGT	TTG	ATC	ACA	TTA	TTG	TCC	TTG	TTC	ATT
1241	s	I	I	Q	Н	S	T	W	L	Y	G	L	I	Т	L	L	s	L	F	Ι
3781	TAG	TGA																		
1261	*	*																		

FIG. 7D